

AMENDMENTS TO THE SPECIFICATION:

Please amend the specification as follows:

[00030] By use of the GraphPad Prism® version 3 Software (GraphPad Software, Inc., San Diego, California), for biostatistics, curve fitting, and scientific graphing, the experimental data are used to generate a curve adjusted to a 1st order equation such that :

$$Y = \Delta mA \max (1 - e^{-k \cdot t}) \text{ where}$$

Y = the anisotropy value measured at time t

$\Delta mA \max$ = « STAFI », the maximum ordinate value at equilibrium

K = the constant K_{obs}

t = the time in seconds.

[00039] The present invention also aims to offer a method of identification of molecules likely to present an anti-cancer activity. Such a method consists of implementing the method of analysis of tumor aggressivity ~~previously described according to one or other of the claims 1 to 6~~ in the presence of a sufficient quantity of one or more molecules to be tested, and the determination of the capacity of the said molecule to restore a quantity of polymerized actin in the steady state corresponding that of non-aggressive cells.

[00049] At the time of the test, the solution of marked actin monomers is diluted to 1/3 in G solution. The apparatus used is a Beacon® 2000 Fluorescence Polarization System (Invitrogen Corporation, Carlsbad, California) fluorescence polarization spectrometer. Introduce into the Beacon® tube 167 μ l of solution G and 3 μ l of marked actin monomer solution diluted beforehand. After stabilization of the actin monomer anisotropy value at about 110 mA, add 4 μ l of polymerization solution (2.5 M KCl, 50 mM $MgCl_2$, 25 mM ATP) and 20 μ l of

the cellular extract to be tested at 2 mg/ml. The fluorescence anisotropy value is recorded over a period of about 200 seconds. The data are processed with the GraphPad Prism® version 3.0 software (~~Ed.~~ GraphPad Software, Inc., San Diego, California), for biostatistics, curve fitting, and scientific graphing. The fluorescence anisotropy value of the marked actin monomers alone (about 110mA) is removed from the values that follow.